

## **ABSTRACT OF THE DISCLOSURE**

For drivers of different sizes driving signal lines of different lengths, maximum transition time constraints are compared to signal transition times to determine whether a potential noise problem exists with respect to the signal lines.

5 Each driver size has a maximum line length and a maximum transition time associated  
with it. These maximum transition time constraints are used to determine whether the  
signal lines connected to respective drivers in the IC will have potential noise  
problems associated with them. For each signal line in the IC design, the signal  
transition time is determined and compared to the maximum transition time  
constraint. If the signal transition time exceeds the maximum transition time  
constraint, a potential noise problem exists with respect to the signal line.